

Title (en)  
HIGH YIELD STEREOSPECIFIC MANNOSYLATION

Title (de)  
STEREOSPEZIFISCHE MANNOLYSIERUNG MIT HOHER AUSBEUTE

Title (fr)  
MANNOSYLATION STEREOSPECIFIQUE A HAUT RENDEMENT

Publication  
**EP 0912587 A4 20011219 (EN)**

Application  
**EP 97925707 A 19970520**

Priority  
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Abstract (en)  
[origin: WO9744344A1] A process of preparing mannosylated alcohols or phenols in high chemical yield and purity using tetra-O-pivaloylmannosylfluoride and a Lewis acid catalyst.

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**C07H 13/02**

IPC 8 full level  
**C07H 13/02** (2006.01); **C07H 13/04** (2006.01); **C07H 15/18** (2006.01)

CPC (source: EP US)  
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Citation (search report)

- [X] DE 4329093 A1 19950302 - BAYER AG [DE]
- [X] US 4751291 A 19880614 - THIEM JOACHIM [DE], et al
- [X] JP H05202085 A 19930810 - D D S KENKYUSHO KK
- [X] US 5218097 A 19930608 - ERNST BEAT [CH]
- [X] JP H02144151 A 19900601 - DAINIPPON INK & CHEMICALS
- [X] EP 0267996 A1 19880525 - TAMIR BIOTECHNOLOGY LTD [IL]
- [X] JP H0680686 A 19940322 - D D S KENKYUSHO KK
- [X] H. KUNZ, W. SAGER: "Stereoselective Glycosylation of alcohol and silyl ethers using glycosyl fluorides and boron trifluoride etherate", HELVETICA CHIMICA ACTA, vol. 68, 1985, pages 283 - 287, XP001025817
- [X] L.D. HALL, J.F. MANVILLE, N.S. BHACCA: "Studies of specifically fluorinated carbohydrates. Part I. Nuclear magnetic resonance studies of hexopyranosyl fluoride derivatives", CANADIAN JOURNAL OF CHEMISTRY, vol. 47, no. 1, 1969, pages 1 - 17, XP001025926
- [PX] ZIEGLER T ET AL: "Synthesis of octyl O- and S-glycosides related to the GPI anchor of Trypanosoma brucei and their in vitro galactosylation by trypanosomal alpha-galactosyltransferases", CARBOHYDRATE RESEARCH, ELSEVIER SCIENTIFIC PUBLISHING COMPANY. AMSTERDAM, NL, vol. 295, 13 December 1996 (1996-12-13), pages 7 - 23, XP004071100, ISSN: 0008-6215
- See references of WO 9744344A1

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